

trans-4-Hydroxycinnamic acid Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: trans-4-Hydroxycinnamic acid

Catalog No.: CFN98794

Cas No.: 501-98-4

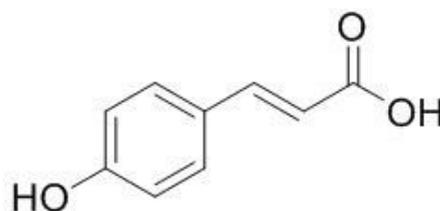
Purity: > 98%

M.F: C₉H₈O₃

M.W: 164.2

Physical Description: Powder

Synonyms: (E)-3-(4-hydroxyphenyl)-2-propenoic acid; p-Hydroxycinnamic acid; p-Cumaric acid; p-Hydroxyphenylacrylic acid; Naringenic acid.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & fine chemicals;
5. Others.

[Source]

The herb of *Trifolium pratense*.

[Biological Activity or Inhibitors]

Trans 4-hydroxycinnamic acid, isolated and identified from rice hull, has antimicrobial activity.^[1]

Trans 4-hydroxycinnamic acid has anti-oxidant activity.^[2]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[3]

Mobile phase: Methanol-Acetic acid- H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 254 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Cho J Y, Moon J H, Seong K Y, *et al. Biosci. Biotech. Bioch.*, 1998, 62(11):2273-6.

[2] Aswathanarayan J B, Vittal R R. *J. Pharm. Res.*, 2013, 6(2):313-7.

[3] Zhou H Y, Li S M. *Chinese herbal medicine*, 2007, 30 (12): 1539-41.

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